



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	R. Dutta	Examiner:	Philip C. Lee
Serial No.:	09/726,268	Group Art Unit:	2154
Filed:	November 30, 2000	Docket No.:	AUS920000344US1
TITLE:	METHOD, SYSTEM, AND PROGRAM FOR PROVIDING ACCESS TIME INFORMATION WHEN DISPLAYING NETWORK ADDRESSES		

**DECLARATION UNDER 37 C.F.R. §1.131**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

RABINDRANATH DUTTA declares as follows:

1. I am an Applicant for the patent application entitled "METHOD, SYSTEM, AND PROGRAM FOR PROVIDING ACCESS TIME INFORMATION WHEN DISPLAYING NETWORK ADDRESSES", having Serial No. 09/726,268, filed on November 30, 2000, and an inventor of the subject matter described and claimed therein.

2. Prior to October, 2000, I conceived of, in the United States of America, the invention described and claimed in the subject application. I further showed diligence from the date just prior to October, 2000 to the filing of the subject patent application as evidenced by the following:

a) I submitted IBM Invention Disclosure Form No. AUS8-1999-1468, attached as Exhibit A hereto, which describes the invention described and claimed in the subject application.

b) Each of the dates deleted from Exhibit A is prior to October, 2000.

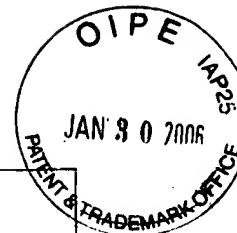
c) I worked diligently with a patent attorney to file the above patent application from at least just prior to October, 2000 to the filing date of the application on November 30, 2000.


3. I further declare that all statements made herein of my own knowledge and all statements made on information and belief are believed to be true; and further that these statements are

made with the knowledge that willful and false statements and the like so made are punishable by fine or imprisonment or both under § 1001 of Title 18 of United States Code and that such willful and false statements may jeopardize the validity of the above-referenced application and any patent issuing therefrom.

Rabindranath Dutta  
Rabindranath Dutta

Date: Jan. 24, 2006



	<b>Disclosure AUS8-1999-1468</b>
	<b>Created By:</b> Rabindranath Dutta <b>Created On:</b> _____
	<b>Last Modified By:</b> Nancy Werchan <b>Last Modified On:</b> _____
	*** IBM Confidential ***

Required fields are marked with the asterisk (\*) and must be filled in to complete the form.

### Summary

Status	Under Evaluation
Processing Location	AUS
Functional Area	71 - NCS - JAVA & BROWSER (S. Heuer)
Attorney/Patent Professional	Marilyn Dawkins/Austin/IBM
IDT Team	Lilia Hays/Austin/Contr/IBM
Submitted Date	:05:41 PM
Owning Division	NCS
PVT Score	To calculate a PVT score, use the 'Calculate PVT' button.
Lab	
Technology Code	
Incentive Program	

### Inventors with Lotus Notes IDs

Inventors: Rabindranath Dutta/Austin/IBM

Inventor Name > denotes primary contact	Inventor Serial	Div/Dept	Manager Serial	Manager Name
> Dutta, Rabindranath	978208	95/PM4A	565591	Demsky, S.H. (Scott)

### Inventors without Lotus Notes IDs

#### IDT Selection

IDT Team: Lilia Hays/Austin/Contr/IBM	Attorney/Patent Professional: Marilyn Dawkins/Austin/IBM
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#### Response Due to IP&L :

### Main Idea

#### \*Title of disclosure (in English)

Client side tool to evaluate access times for various sites.

#### \*Idea of disclosure

1. Describe your invention, stating the problem solved (if appropriate), and indicating the advantages of using the invention.

#### Background

Download time over the Internet should be one of the top factors for deciding whether to connect to a site. However, this is one information which is typically not known to the average Web user. Major Web servers of course pay various consulting agencies to determine download time from various locations spread worldwide for their Web sites. Unfortunately, as of now there is probably no tool that is specific and tailored to a client that estimates which servers offer best Web download time.

Prior art in this area from the client perspective is mostly qualitative. Many people know that Yahoo sites load fast on their screen and this is one of the major reasons for the popularity of Yahoo (apart from its categorization). The same is the case with the bookseller Amazon.com. However, for many sites the users have no idea how long the download takes to their computer. The stop button is one of the most frequently used button on the Web browser to terminate download. Ad hoc rules abound. Many users find that foreign sites are time consuming and don't go to foreign sites unless there is a compelling reason.

### **Problem**

How can a user determine an estimate of the download time from various Web servers spread worldwide? ***Note that this is unique to each user. The download time in this context includes the time from the request from the client to complete rendering on the screen.*** Such statistics can never be compiled by a download site rating agency because of the multiplicity of Web sites and various types of client computers.

### **Solution**

Each time an client downloads a page the time to download (including rendering) is kept. Generally sites accessed repeatedly are bookmarked by an user. The bookmarks store with them the average download time (presumably as a rating scale of poor, average, and excellent) depending on the following:

1. Aggregated average of past download times (including those of child pages since the home page often downloads fast because of caching.).
2. Off-line downloads when the computer is not working to evaluate access time by performing simulated GETs. of the parent and 1 level deep pages.

Since client computers are idle most of the time this is easily done without impact to the user.

Storing access time in bookmarks is probably not new (simply too much work has gone on in bookmarking and associated properties; I don't know the answer). What we are claiming is NOT bookmark properties on access time but a TOOL THAT ENABLES ACCESS TIMES TO BE ESTIMATED FOR WEB SITES THAT A CLIENT HAS VISITED IN THE PAST AND WISHES TO VISIT IN THE FUTURE AND THEIR PERIODIC UPDATING.

### **Claims**

System to evaluate and update access times of various sites from the perspective of a Web client.

2. How does the invention solve the problem or achieve an advantage,(a description of "the invention", including figures inline as appropriate)?

3. If the same advantage or problem has been identified by others (inside/outside IBM), how have those others solved it and does your solution differ and why is it better?

4. If the invention is implemented in a product or prototype, include technical details, purpose, disclosure details to others and the date of that implementation.

**\*Critical Questions ( Questions 1 - 7 must be answered)**

**\*Question 1**

On what date was the invention workable? **Please format the date as MM/DD/YYYY**  
(Workable means i.e. when you know that your design will solve the problem)

**\*Question 2**

Is there any planned or actual publication or disclosure of your invention to anyone outside IBM?

Yes  
☒ No

If yes, Enter the name of each publication or patent and the date published below.

Publication/Patent:

Date Published or Issued:

Are you aware of any publications, products or patents that relate to this invention?

Yes  
☒ No

If yes, Enter the name of each publication or patent and the date published below.

Publication/Patent:

Date Published or Issued:

**\*Question 3**

Has the subject matter of the invention or a product incorporating the invention been sold, used internally in manufacturing, announced for sale, or included in a proposal?

Yes  
☒ No

Is a sale, use in manufacturing, product announcement, or proposal planned?

Yes  
☒ No

If Yes, identify the product if known and indicate the date or planned date of sale, announcements, or proposal and to whom the sale, announcement or proposal has been or will be made.

Product:

Version/Release:

Code Name:

Date:

To Whom:

If more than one, use cut and paste and append as necessary in the field provided.

**\*Question 4**

Was the subject matter of your invention or a product incorporating your invention used in public, e.g., outside IBM or in the presence of non-IBMers?

Yes  
☒ No

If yes, give a date. **Please format the date as MM/DD/YYYY**

**\*Question 5**

Have you ever discussed your invention with others not employed at IBM?

Yes  
☒ No

If yes, identify individuals and date discussed. Fill in the text area with the following information, the names of the individuals, the employer, date discussed, under CDA, and CDA #.

**\*Question 6**

Was the invention, in any way, started or developed under a government contract or project?

Yes  
☒ No  
Not sure

If Yes, enter the contract number

**\*Question 7**

Was the invention made in the course of any alliance, joint development or other contract activities?

Yes  
☒ No  
Not Sure

If Yes, enter the following :Name of Alliance, Contractor or Joint Developer

Contract ID number
Relationship contact name
Relationship contact E-mail
Relationship contact phone

<b>Question 8</b>	Yes
Have you submitted, or are you aware of, any related disclosure submission?	<input checked="" type="radio"/> No
If Yes, please provide the title and docket or disclosure number below:	

<b>Question 9</b>
What type of companies do you expect to compete with inventions of this type? <i>Check all that apply.</i>
<input type="checkbox"/> Manufacturers of enterprise servers
<input type="checkbox"/> Manufacturers of entry servers
<input type="checkbox"/> Manufacturers of workstations
<input type="checkbox"/> Manufacturers of PC's
<input type="checkbox"/> Non-computer manufacturers
<input type="checkbox"/> Developers of operating systems
<input type="checkbox"/> Developers of networking software
<input type="checkbox"/> Developers of application software
<input type="checkbox"/> Integrated solution providers
<input type="checkbox"/> Service providers
<input type="checkbox"/> Other (Please specify below)
Browser manufacturers: Microsoft, Netscape, Opera, IBM, Mozilla.org

**Patent Value Tool (Optional - this may be used by the inventor and attorney to assist with the evalu**

(The Patent Value tool can be used by you or the evaluation team to determine the potential licensing value of your invention.)

The Patent Value Tool has not yet been used to calculate a score.

**Post Disclosure Text & Drawings**

Enter any additional information relating to this disclosure below:

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(Form Revised 12/17/97)